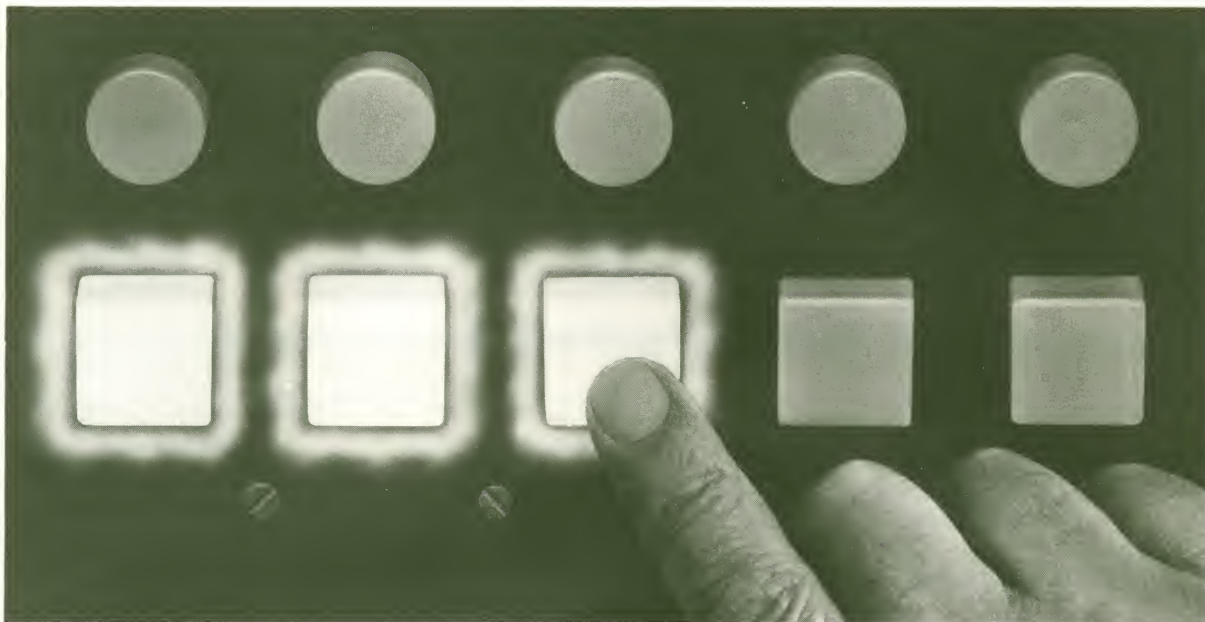




## Pushbutton Switches With Self-Contained Indicator Lights

These human-engineered switches simplify complex panels for both designers and operators. The switch that controls a circuit, and the indicator that confirms its operation, are part of the same unit. Indicator lamp is built into the plastic pushbutton. Association is unmistakable.

A variety of contact arrangements, in both momentary and maintained actions, meet most control needs. Five lens styles, in six colors each, give you wide latitude for functional coding of switches.

Lamp circuit is independent of switch circuit, with separate terminals, for maximum application versatility. The lamp in a momentary-contact switch, for example, can light only when the switch is depressed, or can stay lit as long as the circuit controlled by the switch is on. Or, the lamp can be lit by an independent circuit; typically, to signal which button must be pushed next in an operating sequence.

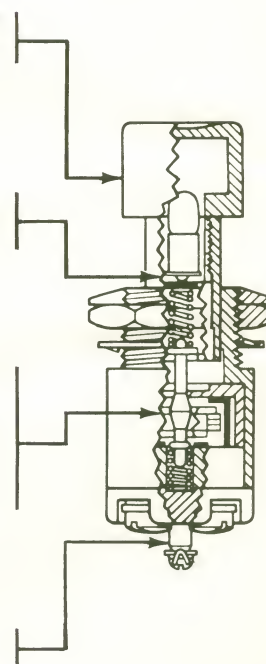
Although they combine two functions, miniaturized Switchlites often take less space than conventional switches *alone*—an important saving in crowded industrial and military control panels.

**Interchangeable Plastic Lenses**  
Five shapes; six colors. Every lens fits every switch.

**Front-of-Panel Re-lamping**  
Lamp contact is silver-plated and spring loaded.

**Patented Snap-Action Mechanism**  
Gives positive feel, highest contact pressure at points of make and break. Movable and stationary contacts both have heavy silver overlays.

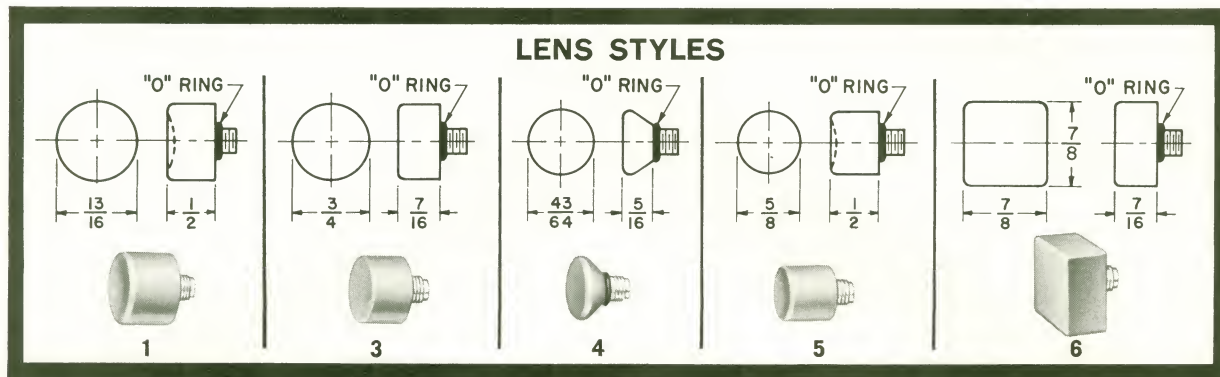
**Molded-In Terminals**  
Can't loosen in rugged bases.



## PUSHBUTTON LENSES

Every lens shown below fits every switch shown on the following two pages. Lenses simply screw into

the threaded switch actuator shank. The flat front surface of all lenses may be engraved with an identifying legend.



**Lamps** All Switchlites supplied with MS 25237-327 (28V.) lamps.

### Materials

Case: Clear anodized aluminum in conformance with MIL-A-8625

### Terminal

Blocks: Diallyl Phthalate in conformance with MIL-M-14

Actuator: Polished beryllium copper

Contacts: Copper with laminated silver overlay

## HOW TO ORDER SWITCHLITES

First select the switch circuit and action from the drawings on pages 3 and 4. This will determine the basic **Series No.** of your Switchlite. Then look in the column headed by this series no. in the table below to find the complete **Part No.** for the lens style and color desired with your selected circuit.

**Example:** The model number for a 4-circuit, momentary switch with square green lens would be: **A85164**

## Complete SWITCHLITE Part Numbers

150 Combinations of Circuit, Lens Style, and Color

| A84100 SERIES<br>(specifications,<br>Page 3) | A84200 SERIES<br>(specifications,<br>Page 3) | J83100 SERIES<br>(specifications,<br>Page 3) | A85100 SERIES<br>(specifications,<br>Page 4) | A85200 SERIES<br>(specifications,<br>Page 4) | Lens<br>Style | *Lens<br>Color |
|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|---------------|----------------|
| A84111                                       | A84211                                       | J83111                                       | A85111                                       | A85211                                       | 1             | yellow         |
| A84112                                       | A84212                                       | J83112                                       | A85112                                       | A85212                                       |               | white          |
| A84113                                       | A84213                                       | J83113                                       | A85113                                       | A85213                                       |               | red            |
| A84114                                       | A84214                                       | J83114                                       | A85114                                       | A85214                                       |               | green          |
| A84115                                       | A84215                                       | J83115                                       | A85115                                       | A85215                                       |               | clear          |
| A84116                                       | A84216                                       | J83116                                       | A85116                                       | A85216                                       |               | blue           |
| A84131                                       | A84231                                       | J83131                                       | A85131                                       | A85231                                       | 3             | yellow         |
| A84132                                       | A84232                                       | J83132                                       | A85132                                       | A85232                                       |               | white          |
| A84133                                       | A84233                                       | J83133                                       | A85133                                       | A85233                                       |               | red            |
| A84134                                       | A84234                                       | J83134                                       | A85134                                       | A85234                                       |               | green          |
| A84135                                       | A84235                                       | J83135                                       | A85135                                       | A85235                                       |               | clear          |
| A84136                                       | A84236                                       | J83136                                       | A85136                                       | A85236                                       |               | blue           |
| A84141                                       | A84241                                       | J83141                                       | A85141                                       | A85241                                       | 4             | yellow         |
| A84142                                       | A84242                                       | J83142                                       | A85142                                       | A85242                                       |               | white          |
| A84143                                       | A84243                                       | J83143                                       | A85143                                       | A85243                                       |               | red            |
| A84144                                       | A84244                                       | J83144                                       | A85144                                       | A85244                                       |               | green          |
| A84145                                       | A84245                                       | J83145                                       | A85145                                       | A85245                                       |               | clear          |
| A84146                                       | A84246                                       | J83146                                       | A85146                                       | A85246                                       |               | blue           |
| A84151                                       | A84251                                       | J83151                                       | A85151                                       | A85251                                       | 5             | yellow         |
| A84152                                       | A84252                                       | J83152                                       | A85152                                       | A85252                                       |               | white          |
| A84153                                       | A84253                                       | J83153                                       | A85153                                       | A85253                                       |               | red            |
| A84154                                       | A84254                                       | J83154                                       | A85154                                       | A85254                                       |               | green          |
| A84155                                       | A84255                                       | J83155                                       | A85155                                       | A85255                                       |               | clear          |
| A84156                                       | A84256                                       | J83156                                       | A85156                                       | A85256                                       |               | blue           |
| A84161                                       | A84261                                       | J83161                                       | A85161                                       | A85261                                       | 6             | yellow         |
| A84162                                       | A84262                                       | J83162                                       | A85162                                       | A85262                                       |               | white          |
| A84163                                       | A84263                                       | J83163                                       | A85163                                       | A85263                                       |               | red            |
| A84164                                       | A84264                                       | J83164                                       | A85164                                       | A85264                                       |               | green          |
| A84165                                       | A84265                                       | J83165                                       | A85165                                       | A85265                                       |               | clear          |
| A84166                                       | A84266                                       | J83166                                       | A85166                                       | A85266                                       |               | blue           |

\*All colors except clear are translucent diffusing plastic.



## SWITCH CIRCUITS & ACTIONS

### A84100 SERIES—TWO-CIRCUIT MOMENTARY A84200 SERIES—TWO-CIRCUIT PUSH-PULL

Designed to meet MIL-S-22885



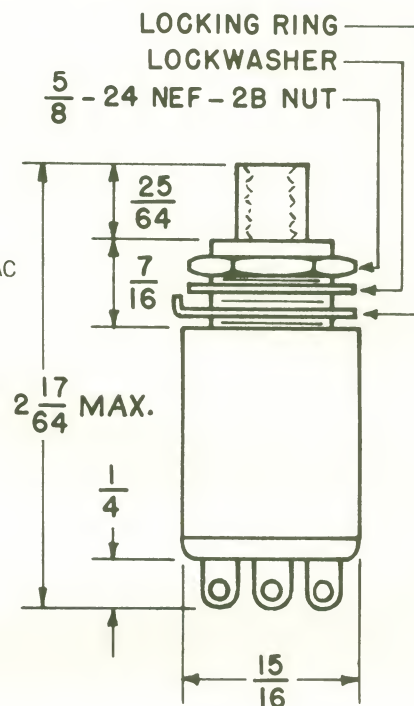
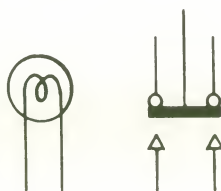
**Contact Rating:**

Resistive: 7.5 amp. 28VDC or 115VAC  
Inductive: 5 amp. 28VDC or 115VAC

**Operating Force:**

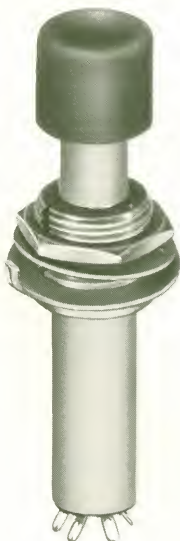
A84100: 4 lbs.  $\pm$  1 lb.  
A84200: 1½ lbs.  $\pm$  1 lb.

**Plunger Travel:** 0.080 in. approx.



### J83100 SERIES—TWO-CIRCUIT ALTERNATE ACTION

Designed to meet MIL-S-22885

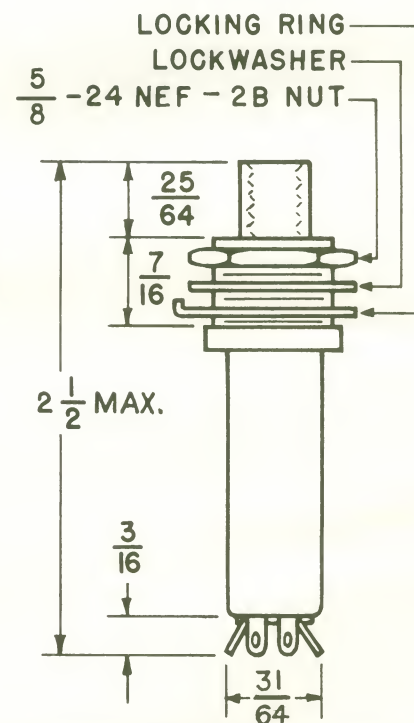
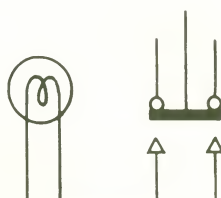


**Contact Rating:**

Resistive: 5 amp. 28VDC or 115VAC  
Inductive: 3 amp. 28VDC or 115VAC

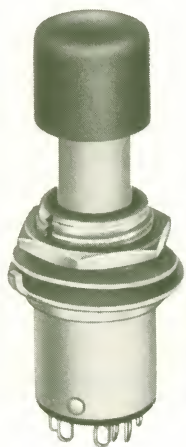
**Operating Force:** 6½ lbs.  $\pm$  2 lbs.

**Plunger Travel:** 0.203 in. approx.



**A85100 SERIES—FOUR-CIRCUIT MOMENTARY**  
**A85200 SERIES—FOUR-CIRCUIT PUSH-PULL**

Designed to meet MIL-S-22885

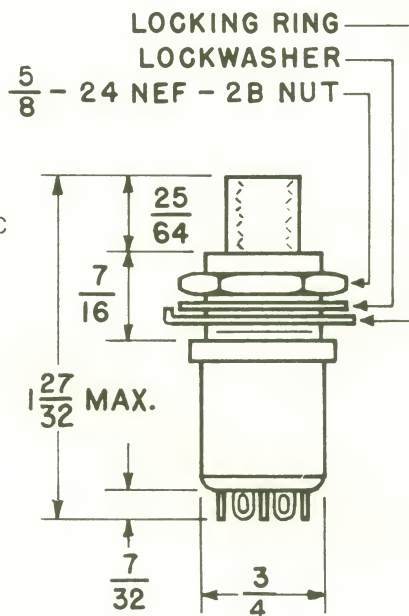
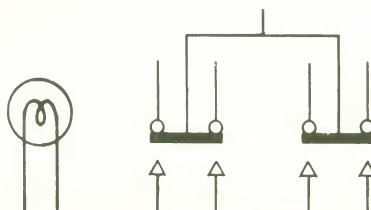


**Contact Rating:**

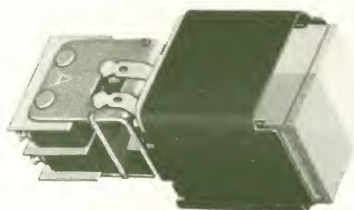
Resistive: 4 amp. 28VDC or 115 VAC  
 Inductive: 2 amp. 28VDC or 115VAC

**Operating Force:** 3 lbs.

**Plunger Travel:** 0.085 in. approx.



**Other SWITCHLITES for Control Convenience**



**TWINLITES \***

Two independent lamps illuminate split-field button. Switches mount in single panel cutout with barrier strips for individual, row, or matrix mounting. Bulletin 55-C



**QUADLITES \***

Four independent lamps, four different color blocks, in a single 7/8" square button. Two mounting styles: (1) flange, mounts directly to panel in single cutout per row; (2) barrier, for individual, row, or matrix mounting. Bulletin 54-B

\* trademark



**CONTROLS  
 COMPANY**  
 OF AMERICA

**CONTROL SWITCH DIVISION**

1420 Delmar Drive, Folcroft, Pennsylvania 19032  
 A Subsidiary of



General Precision Equipment Corp.

Telephone (215) LUdlow 6-7500 • TWX 215-534-0241

HPB-5M866

Printed in U.S.A.